PTK5507 v1.0
Installation Instructions

WARNING: *Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.*

NOTE: *These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.*

DSC

A Tyco International Company

CE

PowerSeries™

SECURITY SYSTEM

29008073R001

English
Installation Instructions

The PTK5507 keypad can be used on security systems with up to 64 zones. These keypads are compatible with the latest version of the Power Series V4.2+ security systems.

Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F)
- Humidity (MAX): 93%R.H. non-condensing
- Plastic enclosure protection degree: IP30, IK04 (touchscreen excluded)
- Voltage rating: 12Vdc nominal
- Connects to control panel via 4-wire Keybus
- Keybus distance: 60 m (200 ft.) (max.); keybus distance in extra power mode: 33.5 m (110 ft)
- Up to 8 keypads per system
- PTK5507 Current draw: 200 mA (standby)/300 mA (activated)/ 400mA Extra Power Mode
- Wall mount tamper
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Touchscreen display: 8.5" x 5.1" x 0.8" [127.9 mm (L) x 195 mm (W) x 20.35 mm (D)]
- SD card slot: holds any standard Secure Digital (SD) card (32 x 24 x 2.1 mm) containing photos
- Wiring: standard four-wire connection
- Viewing angle: horizontal viewing angle: 50° (typ.)
- Vertical viewing angle: 70° (top), 70° (bottom) (typ.)
- Brightness: 280 cd/m^2

Unpacking

The Power keypad package includes the following parts:

- One Power keypad
- Five mounting screws
- Five anchors for wall-mounting screws
- 1 tamper switch
- Installation Instructions
- User Manual

Mounting

You should mount the keypad where it is accessible to designated points of entry and exit. Once you have selected a dry and secure location, perform the following steps to mount the keypad.

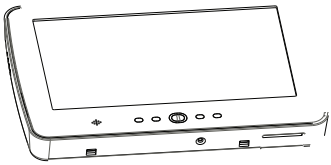
Mount and Wire Keypad

1. Remove the SD card before opening the touchscreen (see Figure 1).

WARNING: Disassembling the touchscreen without removing the SD card will damage the unit.

2. Remove screw at the bottom of the keypad.
3. Insert screwdriver into slots and pry up to remove cover.

Figure 1 - Removing the backplate



4. Secure keypad backplate to wall using mounting holes. (See Figure 2.) Use all 4 screws provided unless mounting on a single gang box. Use the plastic anchors supplied if the unit is to be mounted on drywall. If using the keypad tamper, secure the tamper plate to the wall with a screw.

Figure 2 - Mounting the backplate

5. Run wire through wiring slot. Connect keybus wiring to keypad (see Wiring section).
6. Place keypad into backplate, ensuring the wire is pushed back into the wall as much as possible. Route the wire inside the keypad ensuring high components are avoided. Snap the front assembly closed, ensuring that there is no pressure to the keypad from the wire below.

NOTE: If any tension is found between the front keypad assembly and wiring, please open the keypad, re-route the wire and close again. Repeat these steps until the keypad is closed properly.

Wiring

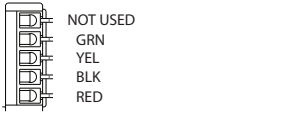
1. Before wiring the unit, ensure that all power (AC transformer, telecommunication network, and battery) is disconnected from the control panel.
2. Wrap the Keybus wires through the ferrite core (see Figure 3); one turn is enough. The ferrite core shall be installed as close to the touchscreen as the installation will allow.

Figure 3 - Ferrite core

3. Connect the four Keybus wires from the control panel (green, yellow, black, and red) to the keypad terminals. Refer to Figure 4.

Figure 4 - Wiring

PTK5507



Applying Power

Once all wiring is complete, and the equipment is secured to the building structure with at least two screws, apply power to the control panel:

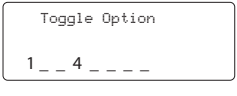
1. Connect the battery leads to the battery.
2. Connect the AC transformer.
3. Connect telecommunication network.

For more information on control panel power specifications, see the control panel Installation Manual.

CAUTION: Route all the wiring according to the local codes and regulations.

Programming the Keypad

There are several programming options available for the keypad.



These are described below. Programming the keypad is similar to programming the rest of the system. When you are in the keypad programming sections, the keypad will display which options are turned on. To turn an option on or off, press the number corresponding to the option on the number pad. The numbers of the options that are currently turned ON will be displayed. For example, if options 1 and 4 are on, the display will look like the diagram shown.

For information on programming the rest of your security system, please refer to your system's Installation Manual.

NOTE: Do not enable keypad blanking (panel programming, section 016, option 3). If keypad blanking is enabled, the panel will stop sending out the status and the keypad status will be inaccurate.

Enrolling the Keypad

The keypad will need to be assigned to a partition and slot if supervision or keypad zones are being used. Keypad assignments and keypad option programming must be done at each keypad individually.

The 1st digit of keypad assignment is used to determine partition assignment (1 to 8). If partitioning is not used, enter [1]. For Global Keypads, enter [0].

The 2nd digit of keypad assignment is used to determine slot assignment for keypad supervision. Each keypad will be assigned a different slot number from 1 to 8.

Enter the following at each keypad installed on the system:

1. Enter Installer Programming by pressing Options, Installer Menu [Installer Code], then Keypad Mode Prog.
2. Press [000] for keypad programming.
3. Press [0] for Partition and Slot Assignment.
4. Enter the 1st digit (0 to 8 for partition assignment).
5. Enter the 2nd digit (1 to 8 for slot assignment supervision).
6. Press the [#] key twice to exit programming.
7. After assigning all keypads, perform a supervisory reset by entering Options, Installer Menu, [Installer's Code], [902], and waiting for 60 seconds.
8. Press the [#] key to exit programming after 60 seconds.

Programming Labels

1. Enter Options, Installer Menu [Installer Code], then Label Programming.
2. Select the desired Label to Program.
3. Using the keyboard on the screen, enter the new label and press save when complete.

Broadcasting LCD Labels

All LCD programming is done per keypad. If more than one LCD keypad is present on the system, labels programmed at one keypad can be broadcast to all other LCD keypads. Perform the following procedure in order to broadcast labels:

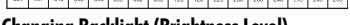
Step 1 - Program one LCD keypad completely.

Step 2 - Make sure all LCD keypads are connected to the Keybus.

Step 3 - Enter keypad programming by pressing Options, Installer Menu [Installer Code], Keypad Mode Prog, then enter section [✱] [998] [✱] at the keypad that was programmed. The keypad will now broadcast all the information programmed to all the other LCD keypads on the system.

Step 4 - When the keypad is finished press the [#] key to exit.

ASCII Characters



Changing Backlight (Brightness Level)

1. Press Options, Keypad Config, then Backlight.
2. Use slide bar to adjust brightness to desired setting.
3. Press the Back or Home button.

Changing the Buzzer Level

1. Press Options, Keypad Config, then Buzzer Control.
2. Use slide bar to adjust buzzer to desired setting.
3. Press the Back or Home button.

Entering Calibration Mode

1. Press Options, Keypad Config, then Calibration.
2. Press the cross hairs on the screen to complete calibration.

NOTE: Calibration mode can also be entered by pressing and holding the home button for 3 seconds.

Changing the Background Image

1. Press Options, Installer Menu [Installer Code], Keypad Programming, then Background Image.
2. Select image to use image from SD card as background image.
3. To exit, press Back or Home button.

Dark Text Enable/Disable

1. Press Options, Installer Menu [Installer Code], Keypad Programming, then Options.
2. Select the desired text color by enabling or disabling Dark Text. (Disabling makes the text white.)

NOTE: This feature affects only the text on the Classic (Square) Button Home Page.

Changing Home Page Look:

1. Press Options, Keypad Config, Home Page.
2. Select the desired view from either classic look (square) or contemporary (rondel).
3. To exit, press the Back or Home button.

Performing a Firmware Upgrade:

1. Insert an SD card in the PTK5507 with the new firmware.
2. Press Options, Installer Menu [Installer Code], Keypad Programming, then Firmware Upgrade.
3. Select OK to perform a firmware update (if a new firmware version is available).

Enabling/Disabling Fire, Auxiliary and Panic Buttons

1. Press Options, Installer Menu [Installer Code], Keypad Programming, then Options.
2. Enable/disable the desired Fire, Auxiliary and Panic buttons.

NOTE: The Fire, Auxiliary and Panic buttons are enabled by default on the PTK5507.

Extra Power Option

The Extra Power option will increase the brightness of the display. To enable the option:

1. Press Options, Installer Menu [Installer Code], Keypad Programming, then Options.
2. Enable or disable the extra power option.

NOTE: Enabling the Extra Power option will put the keypad in a higher current mode and the keypad will draw 400 mA.

Changing Function Keys on the Home Page:

1. Press Options, Installer Menu [Installer Code], Keypad Programming, then Home Functions.
2. Assign the desired function to the corresponding key.
3. To exit press the Back or Home button.

Adjusting Screen Time out

1. Press Options, Keypad Config, then Backlight.
2. Select appropriate time for screen time out by using the slide bar.
3. To exit, press Back or Home button.

Accessing Clean Mode

Press Options, Keypad Config, Clean Mode.

NOTE: Clean mode will time out in 30 seconds.

Keypad Enrollment

Enter keypad programming by pressing Options, Installer Menu [Installer's Code], Keypad Mode Prog, then [000].

[0] Partition / Slot Assignment

Digit	Option	Valid Range	Default	
1st	Partition Assignment (0=Global Keypad)	0 to 8	1	____
2nd	Slot Assignment	1 to 8	8	____

[1]-[5] Function Key Assignment

Do not attempt to change the function key programming or the home page buttons may not function as desired.

Keypad Programming

Enter keypad programming by pressing Options, Installer Menu [Installer's Code], Keypad Mode Prog, then [000].

[001]-[064] Zone Label 1 to 64

ex. For Zone 1 enter section [001], for Zone 2 enter section [002] etc. Default: "Zone 1"-"Zone 64"

Section Zone		Label
[001] to [064]	1 to 64	_____

[077] Second Keypad Options

Default	Option	ON	OFF
ON	1	Chime Enabled for Zone Openings	Chime Disabled for Zone Openings
ON	2	Chime Enabled for Zone Closings	Chime Disabled for Zone Closings
OFF	3	For Future Use	
ON	4	For Future Use	
OFF	5	For Future Use	
ON	6	For Future Use	
ON	7	For Future Use	
OFF	8	For Future Use	

NOTE: Do not attempt to change options 3-8 in Section 077 or the keypad may not function as desired.

[101]-[108] Partition Labels

ex. For Partition 1 enter section [101], for Partition 2 enter section [102] etc.

Section	Partition	Label
[101] to [108]	1 to 8	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

NOTE: Partition 1 Label is also used as the System Label

[120]-[151] Command Output Labels

Default: "Command_O/P_1" - "Command_O/P_4"

For Partition 1 Command O/P 1 to 4 enter [120] to [123]

For Partition 2 Command O/P 1 to 4 enter [124] to [127]

For Partition 3 Command O/P 1 to 4 enter [128] to [131]

For Partition 4 Command O/P 1 to 4 enter [132] to [135]

For Partition 5 Command O/P 1 to 4 enter [136] to [139]

For Partition 6 Command O/P 1 to 4 enter [140] to [143]

For Partition 7 Command O/P 1 to 4 enter [144] to [147]

For Partition 8 Command O/P 1 to 4 enter [148] to [151]

Section	Part	Cmd. Output	Label
[120]-[151]	1 to 8	1 to 4	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

[994] For Future Use

[995][✱] Reset Keypad Options to Factory Default

[996][✱] Label Default

[997] View Software Version

[998][✱] Initiate Global Label Broadcast

[999][✱] Reset Keypad EEPROM to Factory Defaults

Keypad Display Symbols

✔	Ready Light (green) — If the Ready light is on, the system is ready for arming.
🔒	Armed Light (red) — If the Armed light is on, the system has been armed successfully.
⚠	System Trouble — Indicates that a system trouble is active.
~	AC — Indicates that AC is present at the main panel.

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- Re-orient the receiving antenna
- Relocate the alarm control with respect to the receiver
- Move the alarm control away from the receiver
- Connect the alarm control into a different outlet so that alarm control and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC helpful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock # 004-000-00345-4.

Operating Instructions shall be made available to the user.

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Notes